

August Members' Meetings

Dates & Times

Matinee, 2:30 p.m., Wednesday, August 8
Evenings, 8:00 p.m., Wednesday and
Thursday, August 8 and 9, 1984

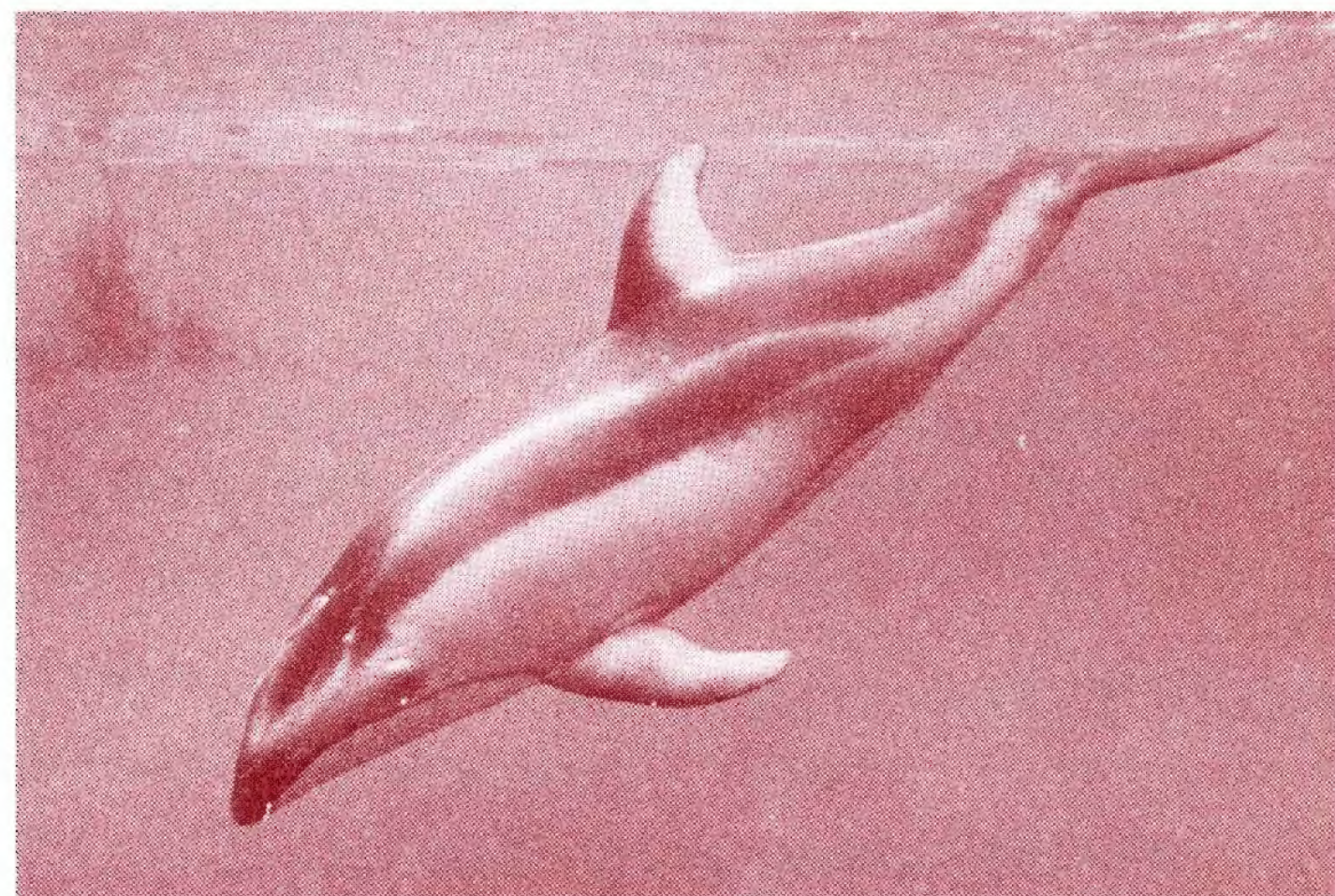
Place

Morrison Auditorium

Subject

The Predator-Prey Olympics: The Prize Is
Survival

Survival is the priority that guides all life in the animal world. Dr. Samuel McGinnis will examine the role of natural selection in promoting progressively higher degrees of physical accomplishments such as running farther, swimming faster, or jumping higher in vertebrate prey and predator species. By viewing slides of animals in their natural habitat, we will clearly see the adaptations that have led to their success in this highly competitive world.



Dr. McGinnis will then speculate on the natural, selective pressures which make possible the wide variety of physical abilities which we witness in our own species in the current Olympic Games.

Dr. Samuel M. McGinnis is a Professor of Biology at California State University, Hayward. As a vertebrate physiological ecologist, he has studied antelope and ostriches in East Africa, marine mammals in the Eastern Pacific, and California reptiles.

Sneak Preview: Ron Cronin will present **Follow The Wind**, a slide presentation on the state of Oregon at the September 12 and 13 members' meetings.

Special Exhibits



America's Olympic hopefuls are the stars of a new exhibition opening July 17, entitled **Shooting for the Gold**. Seen through the lens of Sports Illustrated photographer, Walter Iooss, Jr. (pronounced Yoŝe) the spirit and determination of U.S. athletes as they train

and compete for a spot on the 1984 team spring to life in over 80 full-color photographs. Diver Greg Louganis, sprinter Carl Lewis and gymnast Julianne McNamara are just a few of the athletes captured in dynamic photographs of training sessions, national competitions and the Pan-American Games. **Shooting for the Gold** is sponsored by Fuji Photo Film U.S.A. and will continue in the Peterson-McBean Galleries through September 30.

Walking through the exhibition **Amber** is like a stroll along the shores of the Baltic Sea. You peer into the window of a traditional Polish house to see a woman at work on a spinning wheel; not spinning wool, mind you, but faceting the precious material called amber. Around the corner you look into other windows to see raw or beautifully worked pieces once called the "tears of birds." This wonderful subject is explored in many ways. . . geologically, biologically, historically and from an artistic viewpoint. (Be sure to look at the many items for sale at The Nature Company Museum Store made in amber.)

Winners of the **The Photography Contest for Young People** continue on display in Cowell Hall. The 24 winning photographs were chosen from over 900 entries in this annual event sponsored by the California Academy of Sciences and KRON-TV. Other exhibits continuing through the summer include **Mexico As Seen By Her Children/Mexico, Visto Por Sus Ninos**, a bilingual exhibit of 60 colorful and exuberant paintings and poems by Mexican children and **Andy Warhol: Endangered Species**, dramatic silkscreens of threatened animals.

Morrison Planetarium

Sky Shows

The Water World, the daily sky show in the Morrison Planetarium looks at the most abundant element on our planet and compares it to other planets that are not so fortunate to have this life-giving elixir.

Showtimes through Labor Day:

Daily at 11:00 a.m., 2:00 and 3:30 p.m. and
Wednesday and Thursday evenings at 7:30.

Also, take time to see **Exploring the Skies of the Season**, a survey of the current night sky over San Francisco.

Showtimes through Labor Day:

Daily at 12:30 p.m. Members are encouraged to use their planetarium passes for either of these attractions at the planetarium. Bring a pass for a guest too!

Planetarium Concert Series

The very popular program, **An Evening With Emerald Web**, will be presented on Monday, August 6 at 8:00 p.m. This concert of flutes and electronic synthesizers returns to the planetarium with artists Bob Stohl and Kat Epple once again blending original music with special effects on the planetarium's 65 foot dome. The evening will feature both favorite music from past concerts and new pieces from their latest album. Tickets for this concert may be ordered by mail from Morrison Planetarium, California Academy of Sciences, Golden Gate Park, S.F. 94118. Cost to members is \$4, general public \$6. Tickets are also sold at the door before the show. Call 668-8054 for information.

Laserium

Two exciting laser light shows are presented in Morrison Planetarium; one show with the music of **Pink Floyd**, and the other featuring movie hits by **John Williams**.

Showtimes:

Now through Labor Day:

Wednesday at 5:00 p.m.

Thursday at 5:00 and 9:00 p.m.

Friday and Saturday at 5:00, 7:30, 9:00 and 10:30 p.m.

Sunday at 5:00, 7:30 and 9:00 p.m.

Ticket prices: Adults \$4.50 (5:00 matinee show \$3.50); children 6-12 and seniors \$2.50

Advance tickets are available through Ticketron or can be purchased one-half hour before showtime at the main entrance to the museum.

For show titles and information call 221-0168.

Please note: Planetarium passes are not usable for Laserium shows. Children under 6 are not admitted to Laserium.

Morrison Planetarium will be closed from September 4 through 19. During that time there will not be Planetarium or Laserium shows.

Inside the Academy

San Francisco Gem and Mineral Society Show

The San Francisco Gem and Mineral Society will present its 30th "Golden Gateway To Gems" on August 11 and 12 at the Hall of Flowers. Featured this year will be "The Magic of Quartz" with daily lectures presented by the well-known mineralogist, Si Frazier. The California Academy of Sciences will show two cases, one of quartz crystals found in different parts of the United States, and another showing single crystals still in matrix, many from the John Melhase collection.

The Hall of Flowers is located in Golden Gate Park at 9th Avenue and Lincoln Way; the hours of the show are Saturday from 10 a.m. to 6:00 p.m. and Sunday from 10:00 a.m. to 5:00 p.m.

Announcement To Members

Membership dues will be raised August 1, 1984. The new dues schedule is:

Individual	\$30
Family	\$35
Student	\$20
Senior	\$15
Senior Couple	\$20

Please call the membership Office at 668-7379 if you have any questions.

There will be no traditional arts presentations during the month of August. The programs will resume on September 22.

Special Lectures

The California Academy of Sciences and the L.S.B. Leakey Foundation present

The 1984 Allen O'Brien Memorial Lecture

Dart, Taung and The "Missing Link": 60 Years After

Dr. Phillip V. Tobias
Monday, September 10
7:30 p.m. Morrison Auditorium
California Academy of Sciences

In November 1924 the Taung skull — first discovered of all Africa's "missing links" — came to light, and in February 1925 it was announced to the world by Professor Raymond A. Dart as *Australopithecus africanus*.

It was a critical breakthrough in the quest for our origins and dramatically swung the spotlight of the search for ancestors from Asia to Africa. It ultimately, moreover, compelled anthropologists to accept that a small brain alone is insufficient to disqualify it's owner from membership in the human family.

This lecture will capture not only the intense human drama woven around Dart's efforts to convince a reluctant world but also the new disclosures based on the latest research into the 1924-25 events.

As a paleoanthropologist, Dr. Tobias has studied fossils from many continents. He has been mainly responsible for studying and publishing the more than 50 hominid specimens excavated by Dr. L.S.B. Leakey and Dr. Mary Leakey at Olduvai Gorge, Tanzania. As a human biologist, Dr. Tobias has studied numerous ethnic groups of southern Africa and has authored several books and scientific papers.

Admission is \$5 for members of the Academy and the Leakey Foundation, and \$7 for non-members. Please send a self-addressed stamped envelope and a check made payable to the California Academy of Sciences to SPECIAL PROGRAMS, California Academy of Sciences, Golden Gate Park, San Francisco, CA 94118. Telephone reservations cannot be accepted.

International Exhibition of Nature Slides

Wednesday, August 15
8:00 p.m. Morrison Auditorium

Each year members of the Photographic Society of America submit slides from all over the world to the Photochrome Club of San Francisco. The slides depict all branches of natural history.

From approximately 1,500 images, 18 medals are awarded and the top scoring images are organized into this multi-media production with commentary and music.

Free to members. For information call: Albert Bekker, 586-2744



In conjunction with the photo exhibit **Shooting For The Gold** which opens on July 17 and the San Francisco Marathon, a series of fitness programs will be offered at the Academy.

FREE EVENING LECTURES

Monday, August 13 8:00 p.m. "Indian Running"

Anthropologist and author, Peter Nabokov, will examine the running tradition among cultures in North and South America including the "chasqui" runner-couriers of the Inca and the "log" runners of the Tarahumara.

Tuesday, August 14 8:00 p.m. "Use It Or Lose It"

The human primitive heritage was that of a runner, but in modern America a premium is placed on inactivity. Dr. Walter Bortz, Chairman of the Board of the American Geriatric Society, will discuss the immense intellectual, physical and psychological implications that this paradox creates for us.

Thursday, August 16 8:00 p.m.
"The History of Sports and the Olympic Games"

Dr. Joan Ulyot, M.D., author and top marathoner, will trace the history and concept of recreational sports from ancient Greece to the present: as training for wartime skills and an arena for athletic excellence; as recreation and play, and as a means of achieving health and fitness.

HOW FIT ARE YOU?



Meet the *Health Squad*

Friday, August 17 and Saturday, August 18
1:00 - 4:00 p.m.

Health professionals will test your blood pressure, lung capacity and body fat as a measure of your general fitness. An electro-dynagram and a slow motion analyzer provided by the California College of Podiatric Medicine will analyze your body in motion to help you maximize your physical capabilities.

Free literature will be available on good health practices and diet.

A FITNESS WORKSHOP

For athletes and those who want to "shape-up"

Saturday, August 18 10:00 a.m. - 3:00 p.m.
Morrison Auditorium \$15 admission

10:00 - 12:00 Noon

"Target Diet Workshop": Exercise, Nutrition and Weight

Ronda Gates, Owner of Systems Fitness

An intensive session for athletes and for those who wish to improve their physical well-being.

Topics include:

- how exercise alters body chemistry
- aerobic vs. anerobic exercise
- why diets don't work
- nutritional inaccuracies and myths
- "The Target Diet" by Covert Bailey

1:00 - 2:00

"The Master Skill of High Achievers"

Marilyn King, founder of Beyond Sports Inc. and Olympic Team Pentathlete

The focus is on "mental skills" an in-depth exploration of imagery, which is the "master skill" of outstanding performers. We will study historic and current uses of imagery and learn to visualize our way to surprising levels of achievement. Audience participation throughout.

2:00 - 3:00

"Sports Medicine - Marathon Advice"

Dr. Richard Blake and Dr. Jane Denton, Podiatrists at St. Francis Hospital Center for Sports Medicine

Dr. Denton and Blake will give last-minute advice for those entering the marathon, and will discuss "post-marathon blues" - training and/or injuries after the race! Runners entering a marathon for the first time will pick up special tips.

RESERVATION FORM

Fitness Workshop

Saturday, August 18 10:00 a.m. - 3:00 p.m.

Please mail this form with a check made payable to the "California Academy of Sciences" and a self-addressed, stamped envelope to:

Fitness Workshop, California Academy of Sciences, Golden Gate Park, San Francisco 94118

Tickets will be sold at the door on a space available basis. Sorry, phone reservations cannot be accepted.

Name: _____

Address: _____

City _____ State: _____ Zip: _____

Daytime phone: _____

No. of tickets @\$15 each _____ Total enclosed _____

Sorry, no cancellations/no refunds

A *Adult Education* *And Travel*

A Matter of Gravity

August 7-21 (3 Tuesdays)

7:00 - 9:00 p.m.

Instructor: Dr. Walt Terris, Astronomer

Cost: \$20 members, \$25 non-members

What weird things happen when stars collapse? How does matter bend space? Will the universe fly apart or will the galaxies crush in upon themselves and form the ultimate blackhole? We will ponder all this and more when we grapple with gravity. An optional field trip will look at the most recent research in gravity.

Academy Expeditions, 1984

Alaska

September 11 - 22

Academy Fellow, Dr. Ian McTaggart-Cowan will lead Academy members on this most unique exploration of southeastern Alaska. The *M. V. Majestic Alaska Explorer* will sail into remote coves and bays along the Alaskan shoreline offering wonderful opportunities to view wildlife including black and brown bears, mountain goats, and bald eagles. In the sea, humpback whales cavort around our comfortable boat. Costs are \$2550 to \$3750 plus air fare. For information call the Academy Travel Office at (415).221-4214.

Papua New Guinea and the Islands of the Solomon Seas

September 19 - October 10

Three distinct and equally fascinating areas will be visited on this special tour. Under the leadership of Dr. Luis Baptista, Academy members will explore the Highlands of New Guinea, an area that remained undiscovered by the outside world until the 1930's. Members will then board the *M. V. Melanesian Explorer* to travel from the middle Sepik River to the sea, stopping at many villages. The trip concludes with visits to the pristine Trobriand Island group and the Siassi Islands. Marine biologist, Hugh Sweatman, will lecture on this exquisite tropical environment. Costs are \$4453 for land/cruise/charter air arrangements and \$1790 for air fare. For information call the Academy Travel Office at (415) 221-4214.

Flight Through Fantasia

October 7 - 19

The magnificence of America's southwest is the focus of this tour which is limited to 15

participants. Methods of transportation will vary from comfortable four-wheel drive vehicles to charter aircraft for soaring over the desert and through canyons. Rubber rafts will take us on quiet floats down the San Juan River. Highlights will include the Grand Canyon, Canyon de Chelly, Mesa Verde, Monument Valley and Canyonlands National Park. Cost is \$2400 plus air fare from San Francisco. For information, call the Academy Travel Office at (415) 221-4214.

Japan: The Old and The New

October 7 - 28

Japan is a special blend of tradition and high-paced technological change. This special tour, led by Mr. John Enamoto, of the Society of Asian Art, will focus on Japan's ancient treasures; the temples and shrines of Nikko, Ise, Nara and Kyoto, and Japan's natural treasures including the harmonious beauty of Lake Chuzenji and Nara Park. On a contemporary note the tour includes visits to the Canon Camera Factory and Fujitsu Computer Laboratories in Kawasaki. Costs for this tour are \$2750 plus air fare. For information and a brochure, please call Bryan International Travel at (415) 986-0967.

SPECIAL PREVIEW Academy Expeditions, 1985

Plan your 1985 travel year in advance. Diverse destinations with adventure and education for every traveler. For information call the Academy Travel Office at (415) 221-4214.

Antarctic Adventure

January 13 - 27

Baja California Circumnavigated

March 10 - 24

The Island World of Indonesia

March 20 - April 7

The Geology of the Grand Canyon

April 7 - 12

A Dive Trip to the Sea of Cortez

May 12 - 23

North to Alaska

June 15 - 30

The Canadian Rockies: A Nature Spectacular

July 19 - 28

Kenya Adventure Safari

July 15 - 28

The Grand Canyon by Dories

August 18 - 31

The Heartland of Africa: Zambia, Zimbabwe, and Botswana

August

Galapagos Islands

October

*Golden Gate Park
San Francisco, California 94118-9961
(415) 221-5100*

Time Dated Material

No. 536

*Open every day of the year
from 10 until 5*

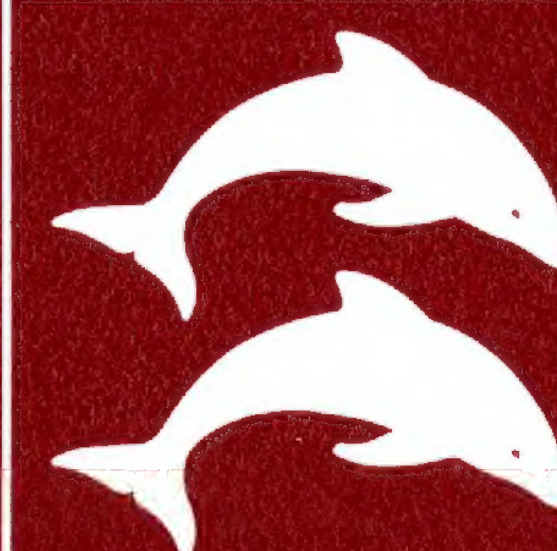


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California Academy of Sciences

Natural History
Museum
& Aquarium



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